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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/601,099	06/20/2003	Brad A. Mongeon	20115-07882	7040

758 7590 12/09/2005

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EXAMINER

GORTAYO, DANGELINO N

ART UNIT	PAPER NUMBER
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2168

DATE MAILED: 12/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/601,099

Applicant(s)

MONGEON ET AL.

Examiner

Dangelino N. Gortayo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-2 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date, _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-2 are pending.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Golshani et al ("Golshani" US# 5,806,066) in view of Ripley ("Ripley" US# 6,829,606 B2).
4. As per claim 1, Golshani teaches a method comprising "receiving a selection of a data store" (Figure 4, column 4 lines 13-20 wherein a "specified subservient database system" is chosen in a manner similar to the applicant's method) "displaying a list of schemas available on the data store" (column 4 lines 21-25 and column 10 lines 53-54 wherein "a list of schema is displayed" in a manner similar to the applicant's method) "receiving a selection of one of the listed schemas" (column 4 lines 21-25 and column 10 lines 53-54 wherein "the user selects one of the schema that is considered for integration" performs the same step and is analogous) "displaying a list of tables stored in the selected schema" (column 4 lines 24-29 and column 5 lines 19-53 wherein information about relationships, attributes, primary keys, and references are stored in

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the schema are displayed for the user and performs the same function as a list of tables) "receiving a selection of one of the listed tables" (column 5 lines 19-53 and column 11 lines 9-14 wherein "clicking on the object classes, selecting the attribute, and selecting the type of correspondence" shows the user selecting table-equivalent data and passing it through the method, and is therefore analogous).

Golshani does not expressly teach "determining entity and property metadata associated with the selected table... generating an XML schema using the determined metadata". Ripley teaches "determining entity and property metadata associated with the selected table... generating an XML schema using the determined metadata" (Figure 5A references 540, 550, 560 and column 20 lines 20-39 wherein the table provides statistics information corresponding to entity and property metadata and "a statistics schema" is generated, using a Similarity Search Engine (SSE) employing a language based on XML, from the statistics and performs the same function). It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine Ripley's method of determining metadata from tables and generating a schema from the data combined with Golshani's method of integrating schemas of distributed heterogeneous databases, specifically after receiving data on object class and attributes, to easily handle data from multiple data sources with different schemas. The motivation for doing so would be to handle data from multiple data sources in a way that the differences between various operating systems, schemas, and environments, can be dealt with to improve performance when sharing data between multiple data sources.

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5. As per claim 2, Golshani teaches “displaying a list of catalogues that are available on the data store and receiving a selection of one of the catalogues” (column 4 lines 24-28 wherein the database’s “catalog of information” is retrieved by querying the system in catalog in which the schema is stored and is written into the processing system, describing the same steps and are analogous).

Conclusion


The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Daniel et al (US# 6,785,689 B1), Dahan et al (US# 6,199,059 B1), Suver (US# 6,016,497), Subramanian et al (US# 6,915,305 B2).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dangelino N. Gortayo whose telephone number is (571)272-7204. The examiner can normally be reached on M-F 7:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Gaffin can be reached on (571)272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dangelino N. Gortayo
Examiner



ALFORD KINDRED
PRIMARY EXAMINER